Distributed Battle Simulation Program

ARMY NATIONAL GUARD
DISTRIBUTED BATTLE SIMULATION PROGRAM (DBSP)

The Congressionally Mandated DBSP Provides the Commander and His Staff Enhanced Training Opportunities for the Soldier and the Unit in All Environments

Assist Commander in Planning, Coordinating, and Integration of Training

Maximizing Utilization of Training Aids, Devices, Simulators, and Simulations (TADSS) in the Training Environment

DBSP = Value Added

Technical Support for Simulations

Hardware and Software Support for Simulations

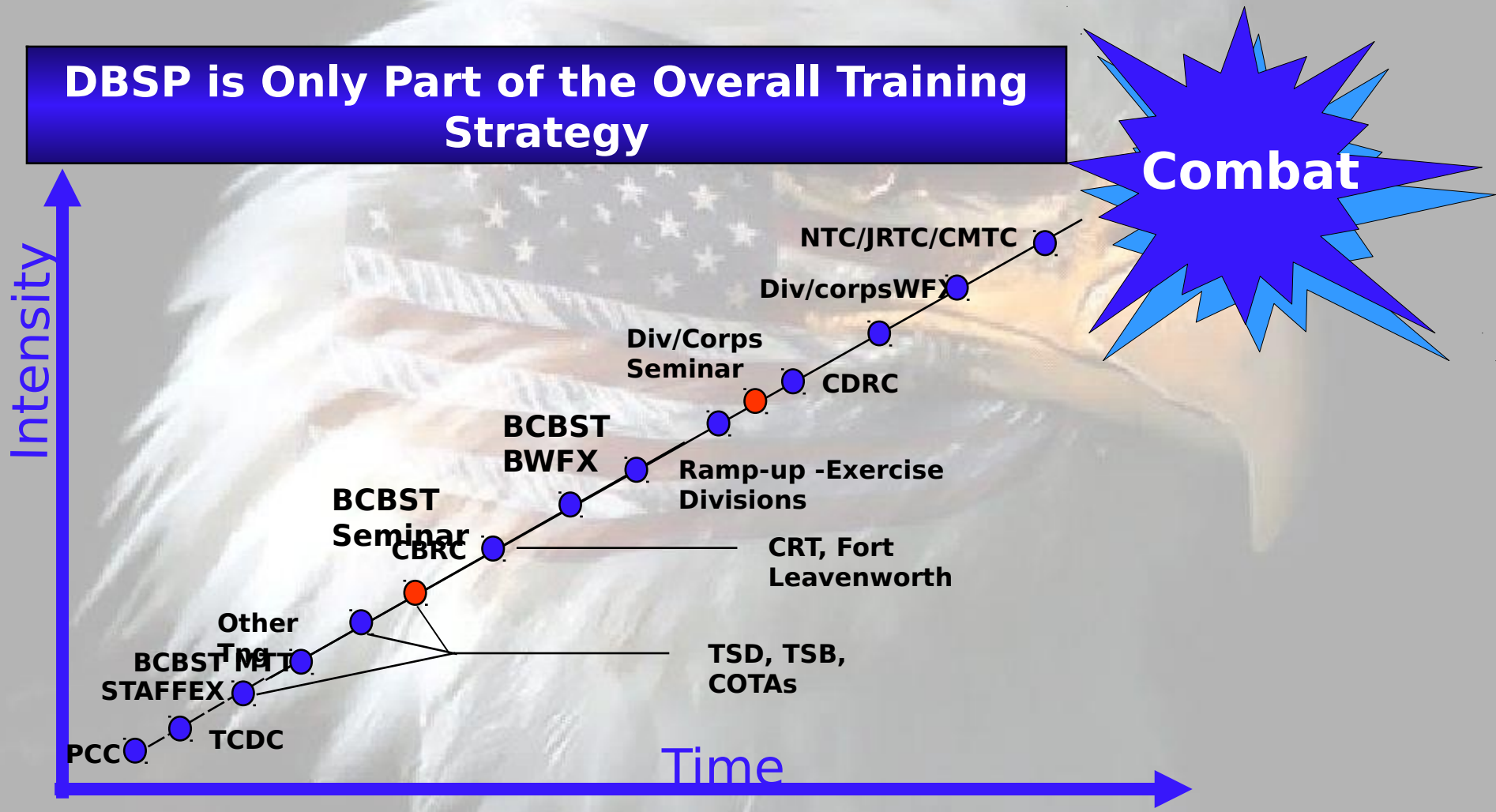
What Do We Do?

Summary

- **Full Time Training Support (Personnel & Equipment)**
- **Live-Virtual-Constructive Multi-Echelon Training**
- **Individual through Brigade Level (Maneuver, Gunnery, Battle Staff)**
- **All Army National Guard Units (Maneuver, CS/CSS)**
- **TADSS Utilization, Maintenance, and Management**
- **Fully Compatible with TS XXI Mission (MOB, WFD, BCBST, BCST) and BCTP**
- **MSCA/WMD Support**
- **Enhance Readiness, Support Unit Commander's Goals**
- **Fully Funded by National Guard Bureau, NGB-ART**

Spectrum of Training

DBSP is Only Part of the Overall Training Strategy



The DBSP Team

Regional Vice President/GM	REGIONAL MANAGER AND MASTER TRAINER
SENIOR COTA	SR COACH, MENTOR, & SUPERVISE
Deputy NG PROGRAMS	ADMIN, TECHNICAL , & EXTERNAL SUPPORT
CONUSA COTA/DTA	DBSP SME @ 1st & 5th Army
DCOTA / COTA	PLAN, COORDINATE, AND INTEGRATE TRAINING AT UNIT
STATE TNG ASSIST	STATE DCSOPS TRAINING & MSCA SME
JANUS SUPPORT TEAMS	DATABASE & SYSTEM TECHNICAL SUPPORT
TADSS FACILITATORS	VIRTUAL/LIVE TNG SME
BOS SME SUPPORT	Man/ CSS / Man Sup / FS / Intel / C2/4I / BSTn NCO

DBSP Organization

As of 12-31-04
Staffing Level 109

PEO STRI

NAVAIR TSD

NGB-ART-C

Group V P National Guard Programs

DBSP PM

GM/ Deputy Program Manager

Tech Tm Lead

Sys Admin

Web Site Design

Vice President Western Region

Senor Program Coordinator

Eastern

Western

DBSP PC

Vice President Eastern Region

Senior COTA

Senior COTA

Divisions

TADSS FAC

BCT COTA

STA

BOS COTAs

TECH TEAM

DCOTA-M

COTA-S

1ST Army

5th Army

SIMNET

AFIST/ABFIST

DISTRIBUTED BATTLE SIMULATION PROGRAM LOCATIONS
DBSP GM
COTA
SR TADSS FAC
SR Tech Team
COTA
Tech Team
COTA
TADSS FAC
Tech Team
COTA
COTA
COTA
TADSS FAC
Tech Team
TADSS FAC
BSTT (10)
COTA (CSS)
COTA
STA
Tech Team
COTA (CSS)
COTA
TADSS FAC
Tech Team
STA
TADSS
TADSS FAC
COTA
Tech Team
TADSS FAC
SR COTA
COTA
TADSS FAC
SIMNET
Tech Team
Tech Team
DBSP PM
STA
AFIST XXI
SIMNET
BSTT (5)
BSTT (1)
COTA
Tech Team
COTA
TADSS FAC
Tech Team
SR COTA
COTA
Tech Team
COTA
Tech Team
COTA
Tech Team
COTA
SR TADSS FAC
Tech Team
5th Army DTA
Tech Team
TADSS FAC
Tech Team
SR Tech Team
COTA (1st ARMY)
FS COTA
MS COTA
COTA
COTA
DCOTA
Tech Team
TADSS FAC
COTA
TADSS FAC
COTA
Tech Team
NG Prog VP
EX Supp Chief
Prog Coord
Tech Team
DBSP GM
COTA
COTA

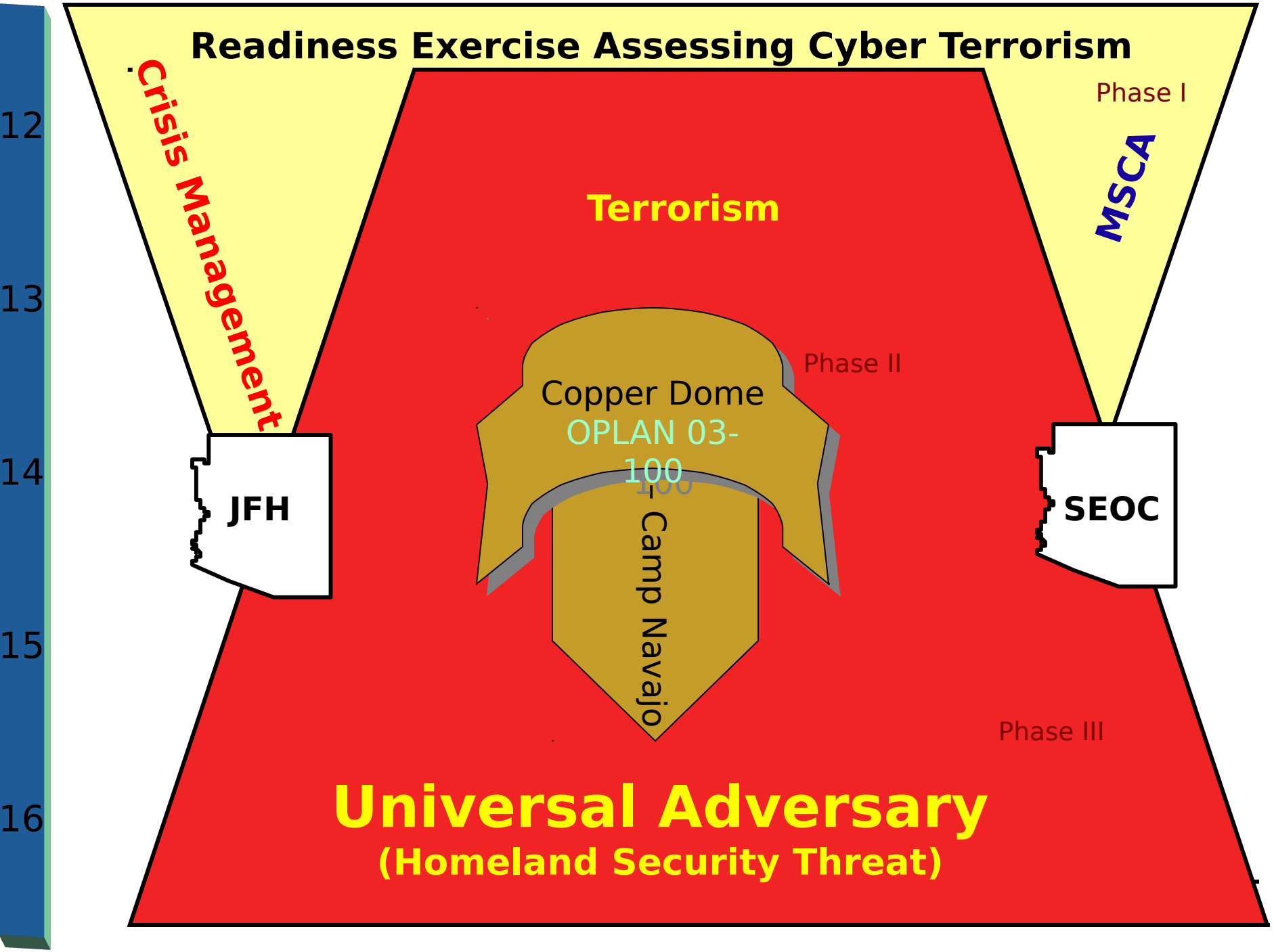
Arizona National Guard
HQ, Joint Force
SIMEX

"Copper Dome III"

12-16 November 2004

Exercise Objectives

- Improve CONOP Copper Dome
- Train JMETL Tasks
- Continue JFHQs-AZ training as a team
- Cause interagency exercise participation of State of Arizona Government civilians
- Continue ADEM Coordination
- Benchmark ROE development and promulgation IAW all statutes/regulations


Readiness Exercise Assessing Cyber Terrorism
Crisis Management
Phase I
MSCA
Terrorism
Phase II
Copper Dome
OPLAN 03-100
Camp Navajo
JFH
SEOC
Phase III
Universal Adversary
(Homeland Security Threat)

R.E.A.C.T
Exercise Environment

- **REACT establishes initial friendly and enemy situation. Copper Dome follows general scenario**
- **Intelligence updates determine Copper Dome environmental group's intent and capability (top down)**
- **Simulated National News and Reports confirm environmental group's activities and civil unrest**
- **Player units' reports enhance/support developing exercise situation (bottom up)**
- **Provide HICON / Exercise Control injects**

MSCA EXERCISE PARTICIPANTS

- CONUSA
  - Training Support Brigade
    - Defense Coordinator Office (DCO)
    - Defense Coordinator Element (DCE)
    - State Emergency Preparedness LNO (SEPLNO)
- STARC
  - EOC Staff
  - MSCA Staff
  - ARNG Staff
    - Site Security Force
    - Civil Support Team
- STATE EMERGENCY MANAGEMENT
  - First Responders
  - Civil Agencies
- NGB-DBSP

Tactical Key Events

R.E.A.C.T

- **7 Cyber Attacks or Probes**
  - **5 on Energy Production & Distribution**
  - **3 on Emergency Response**
  - **3 on Air Traffic Control**
- **7 Events in AZ**
  - **2 on Energy Production & Distribution**
  - **2 on Emergency Response**
  - **1 on Air Traffic Control**
  - **3 involving Small Arms & Ordnance**

UA Threat Profile

- **<u>Universal Adversary</u>: Eco-terrorist group**
  - **Radical environmentalists**
  - **Intent on completely destroying civilization and returning society back to nature**
- **Utilize combinations of cyber attacks with conventional weapons to create mass casualty / mass destruction scenarios**
- **Target energy production and distribution, emergency response networks and air traffic control.**

Phoenix Area Incidents

Copper Dome

- **Capitol Complex bombing**
- **2nd Capitol Complex bombing**
- **Good Samaritan Hospital Bombing**
- **Maricopa County Hospital Bombing**
- **Truck full of explosives found & disarmed**
- **Fiesta Mall bombing**
- **Explosion at the downtown rail yard**

Flagstaff Incidents

- **Operation Cooper Dome execution**
- **Universal Adversary probes on the perimeter**
- **Security of Camp Navajo and Government Officials**
- **Relocating key infrastructure**

Future Incidents

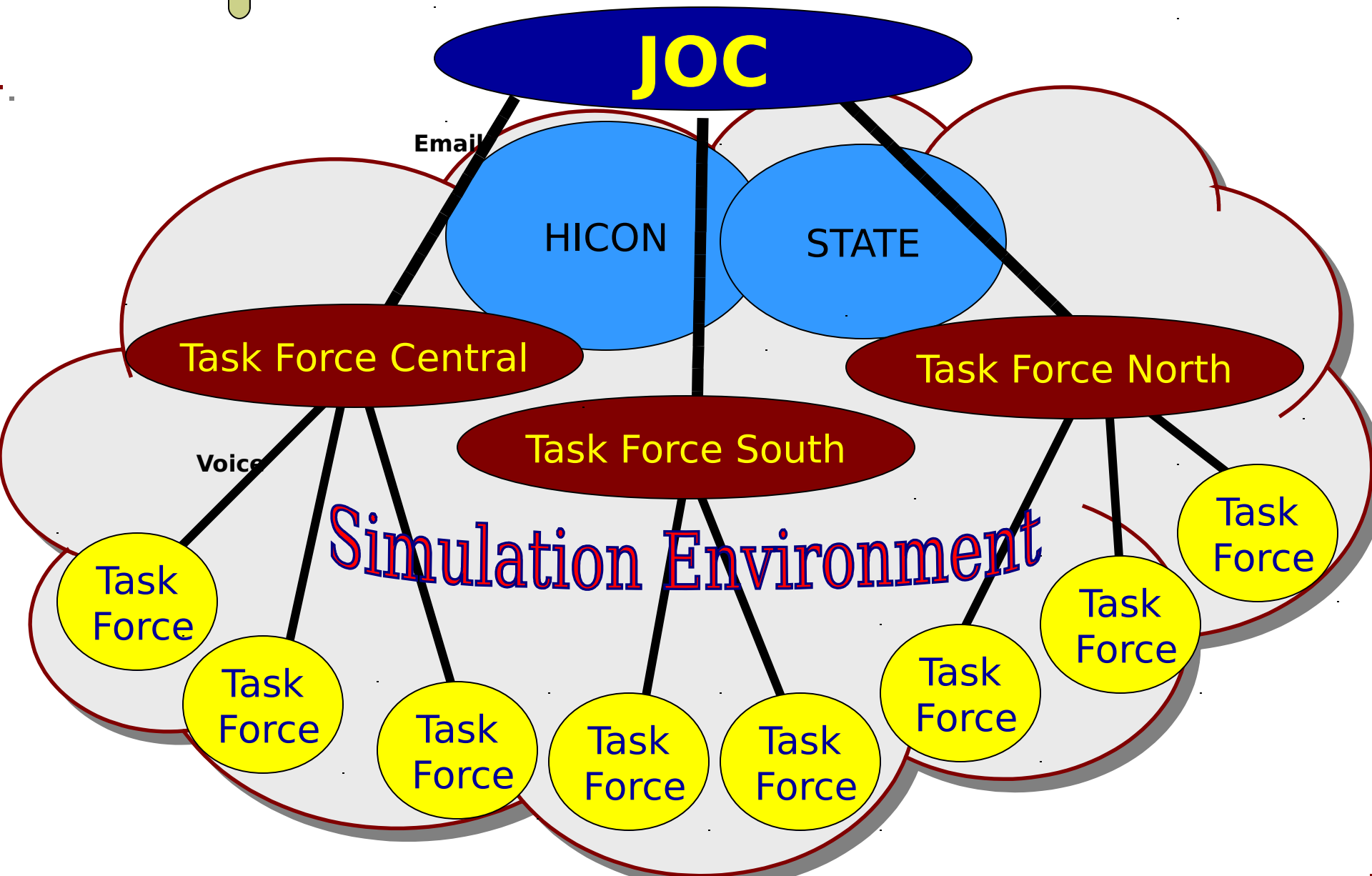
- **Dams along the Salt River**
- **Cholla Power Plant**
- **Explosion at Bank One Ballpark and America West Arena**
- **I-17 & I-40 intersection explosion**

Joint Force Headquarters

Training Objectives

- Execute Phase I, II, and III of Annex N, OPLAN 03-100 (Copper Dome)
- Secure Camp Navajo and sustain operations essential to government services (300-600 personnel)
- Perform follow on missions in support of civil authorities (MCSA)
- JFH staff simultaneously executes MSCA support (REACT), Copper Dome, Homeland Security Mission (environmental terrorism), and Civil Unrest (demonstration)
- Test Command and Control of ROE, refine procedures for ROE implementation
- Test Communications Link between Williams Gate EOC and J-EOC.

Communication Architecture



Task Force Missions

Task Force North

- TF 1 Navajo
- TF 2 Glen Canyon
- TF 3Hoover Dam
- TF 4 Cholla
- TF 5 Springerville
- TF 6 Coronado
- TF 7 Griffith Energy Project

Task Force Central

- TF Palo Verde
- TF 8 Alga Fria
- TF 9 Desert Basins
- TF 10 Horseshoe Dam
- TF 11 Bartlett Dam
- TF 12 Rosevelt Dam
- TF 13 Horse Mesa Dam
- TF 14 Morman flat
- TF 15 Stewart Mountain
- TF 16 Camp Navajo
- TF 17 Deer Valley

Task Force South

- TF Water

Startex Unit Status

UNITS REPRESENTED	PAX	FMC	UNITS NOT REPRESENTED
1-180 FA	437	70%	158 ARMY BAND
2-180 FA	324	70%	159 FIN DET
91 CST	15	70%	160 FIN DET
123 MPAD	14	70%	177 QM DET
HHD 158 CSB	41	70%	AASF 1
HHD 158 FIN BN	21	70%	CAMP NAVAHO
HHD 158 S&S BN	38	70%	CSMS
257 EN DET	7	70%	DET 1 D CO 140 AVIM
258 RAOC	19	70%	G CO 285 AVN
852 RAOC	19	70%	JOINT FORCES HQ, AZ
HHC 385 AHR	68	70%	RTI
153 FA BDE	76	70%	
222 TRANS CO	118	70%	
258 EN CO	113	70%	
259 EN CO	105	70%	
356 SIG CO	46	70%	
362 EOD CO	15	70%	
363 EOD CO	15	70%	
855 MP CO	180	70%	
860 MP CO	182	70%	
1404 TRANS CO	99	70%	
2220 TRANS CO	122	70%	
2222 TRANS CO	116	70%	
3666 MAINT CO	158	70%	
AIRLIFT CMD	10	70%	
C-111 MED BN	47	70%	
C/1-189 AVN BN		9	
RAID		4	
WAATS		2	

Story Lines Complexity

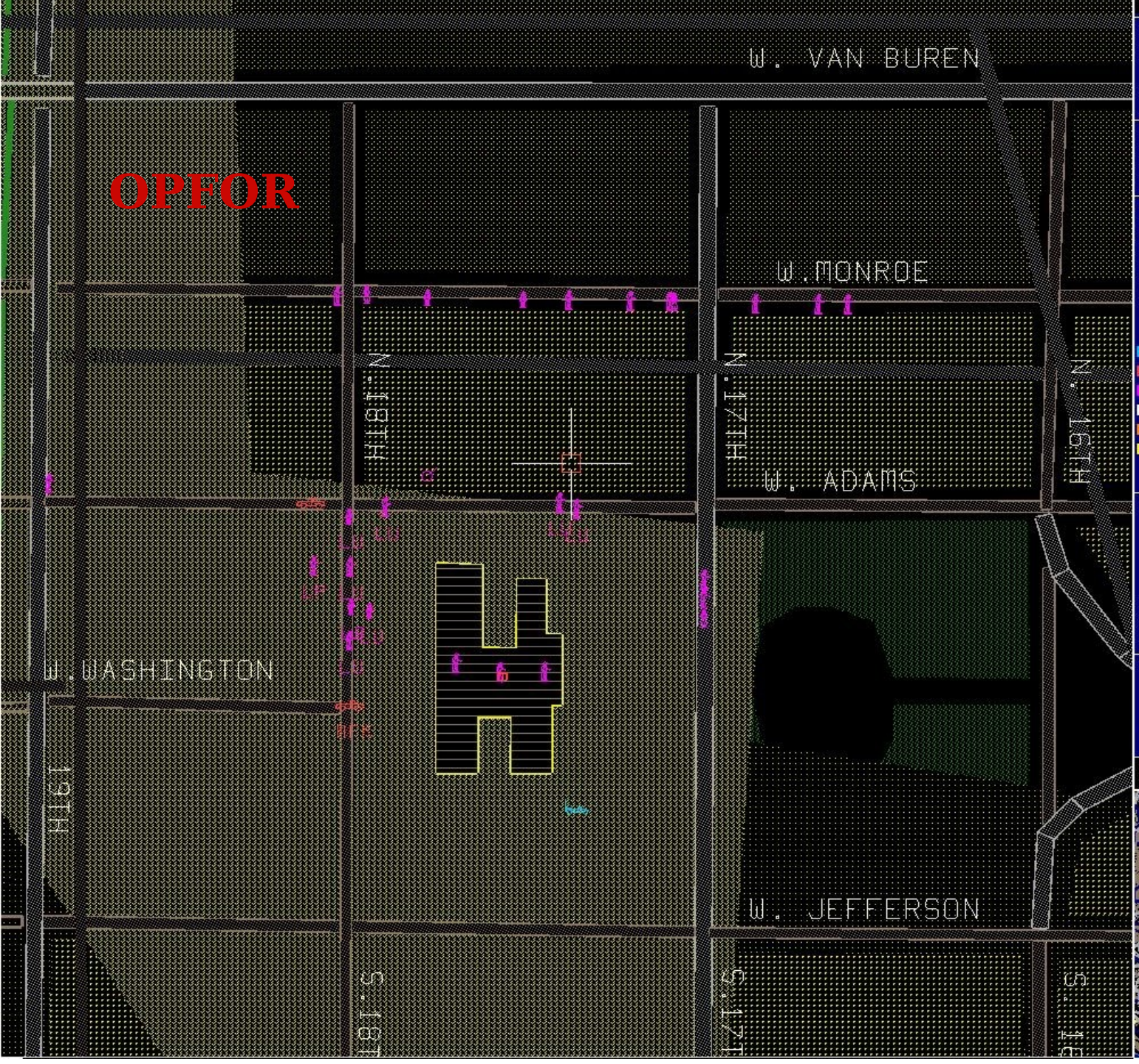
- **Multiple Simultaneous Events – Apparently Unrelated**
- **Interconnection of Story Lines**
- **Synchronization of simulations to all story lines**
- **Unexpected impact to Adjacent Story Lines - Control**
- **Coordination between multiple sides - Interactors**
  - **Blue**
  - **OPFOR (UA)**
  - **Civilian (Neutral, Hostile, Unknown)**
  - **Media**
  - **Governmental**

STORY LINES

MSEL Development

R.E.A.C.T.	Copper Dome	Terrorism	Civilian	Media
MSCA		Universal Adversary		
Parker Dam Davis Dam Hoover Dam	Camp Navajo Williams Gate	IEDs VIEDs 20 man cells	Phoenix Flagstaff	Local National

Saturday, 13 Nov 2004	1440 L	Vehicle explosion damages capitol building and cuts power. Additional explosions from rail yard. Chemical vapors are detected. Reposts of up to 100 First responders and civilians showing symptoms of an unknown chemical/biological agent
Saturday, 13 Nov 2004	1455 L	Arizona Governor notifies OTAG that the Capitol Mall Complex is untenable. Issues orders to execute OPLAN 03-100 (Copper Dome). Identifies Camp Navajo as the alternate site. Tells TAG that all ASG personnel are being notified and will be at the designated assembly points NLT 16:30 L.
Saturday, 13 Nov 2004	1500 L	News helicopters hovering above capitol. A large number of civilians and news crews are gathering around capitol complex hindering First responder's



JANUS ANALYST W5

Time Selection: ALL

	Days	Hrs	Min
From	00	00	00
To	19	23	59

Force Selection: ALL

Side 1 2 3 4 5 6

Group 00 Unit 000000

FUNCTIONS: GO

Replay

Counted Losses

	DF	IF	MF	CH	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

Time Interval
00 : 00

Clouds Pause

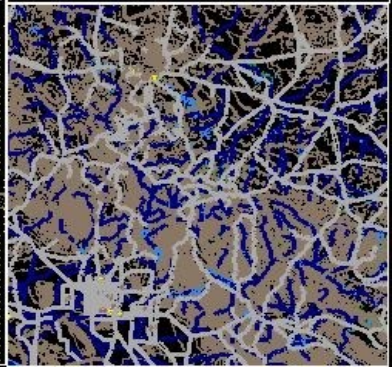
slow SPEED fast

Zoom 0500 Prev Next M

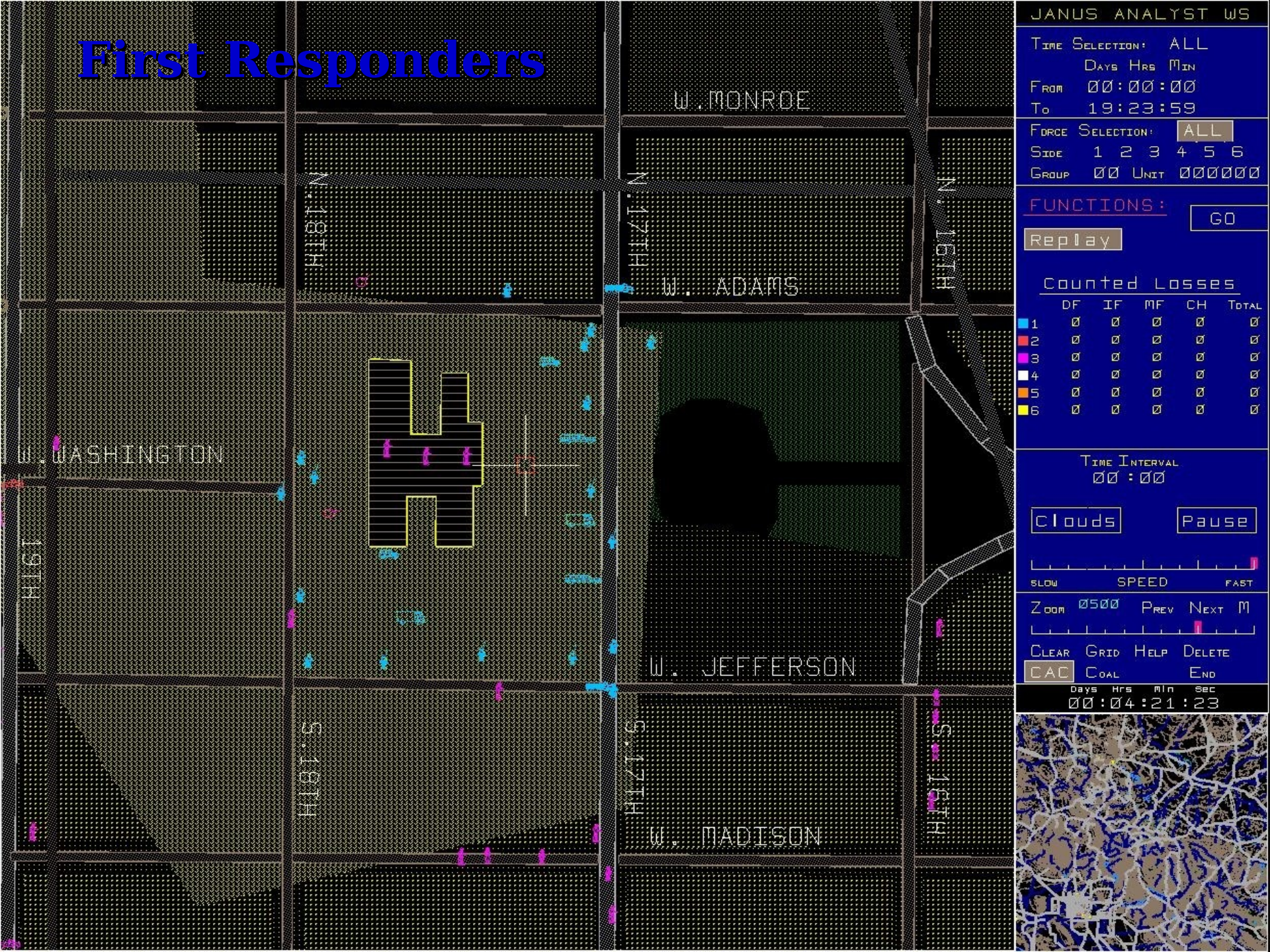
Clear Grid Help Delete

CAC Coal End

Days	Hrs	Min	Sec
00	02	49	14



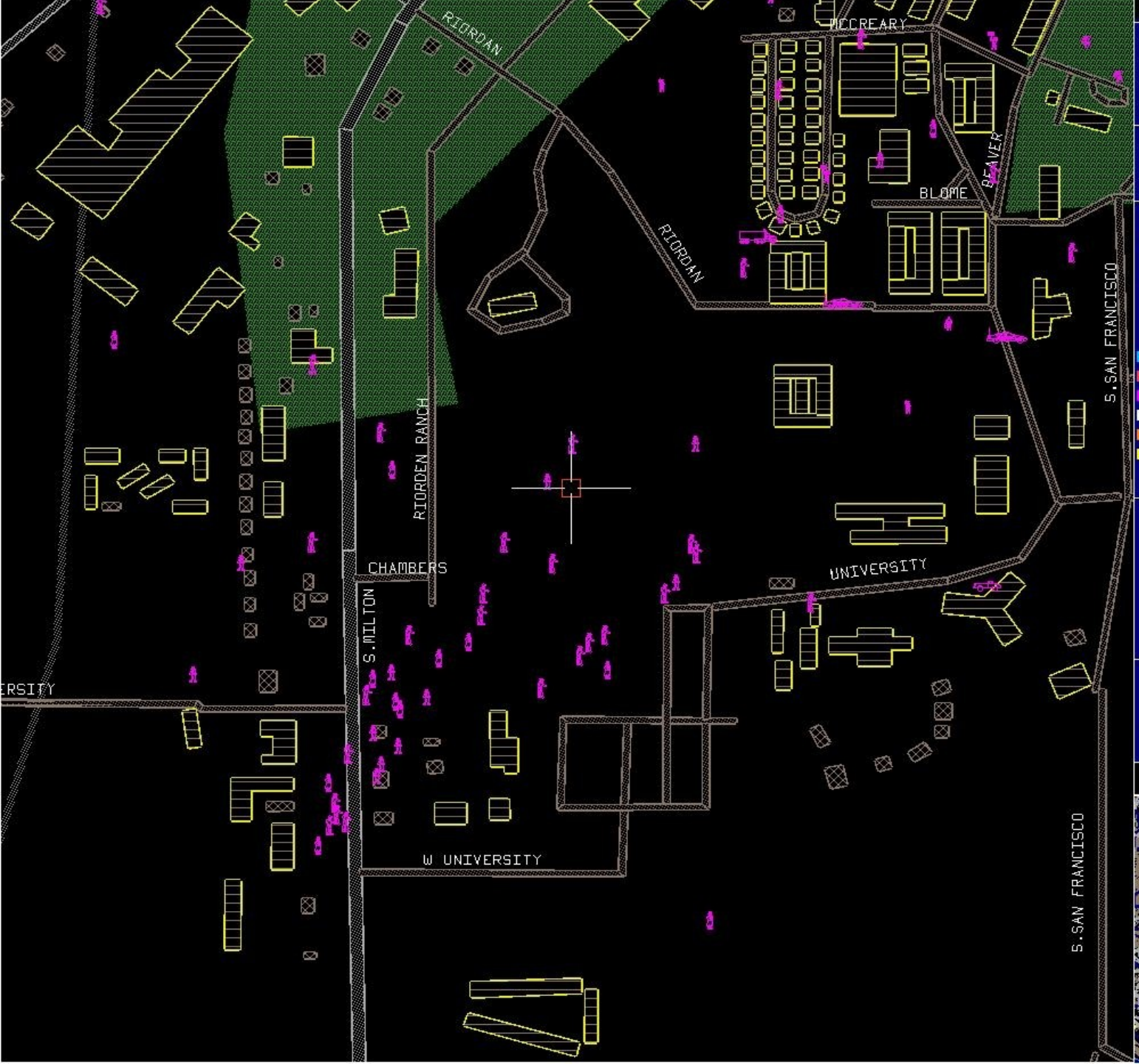
First Responders



STORY LINES

R.E.A.C.T.	Copper Dome	Terrorism	Civilian	Media
MSCA		Universal Adversary		
Parker Dam Davis Dam Hoover Dam	Camp Navajo Williams Gate	IEDs VIEDs 20 man cells	Phoenix Flagstaff	Local National

Sunday, 14 Nov 2004	1200 L	Reports from University of Arizona and Northern Arizona University that crowds are beginning to form in support of the other protests regarding the shooting of two men on Saturday. UA is suspected of instigating these protests.
Sunday, 14 Nov 2004	1920 L	ASU police report that a campus police officer, and Tempe police officer has been shot by someone in the crowd. Crowd is panic and becoming very hostile. Looting along Mill street has been reported along with car being set on fire.
Sunday, 13 Nov 2004	1925 L	CNN and FOX news are broadcasting live footage of the demonstration and looting.



JANUS ANALYST WS

Time Selection: ALL

	Days	Hrs	Min
From	00	00	00
To	19	23	59

Force Selection: ALL

Side 1 2 3 4 5 6

Group 00 Unit 000000

FUNCTIONS: GO

Replay

Counted Losses

	DF	IF	MF	CH	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

Time Interval
00 :50

Clouds Pause

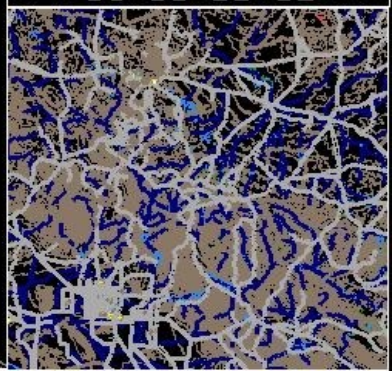
slow SPEED fast

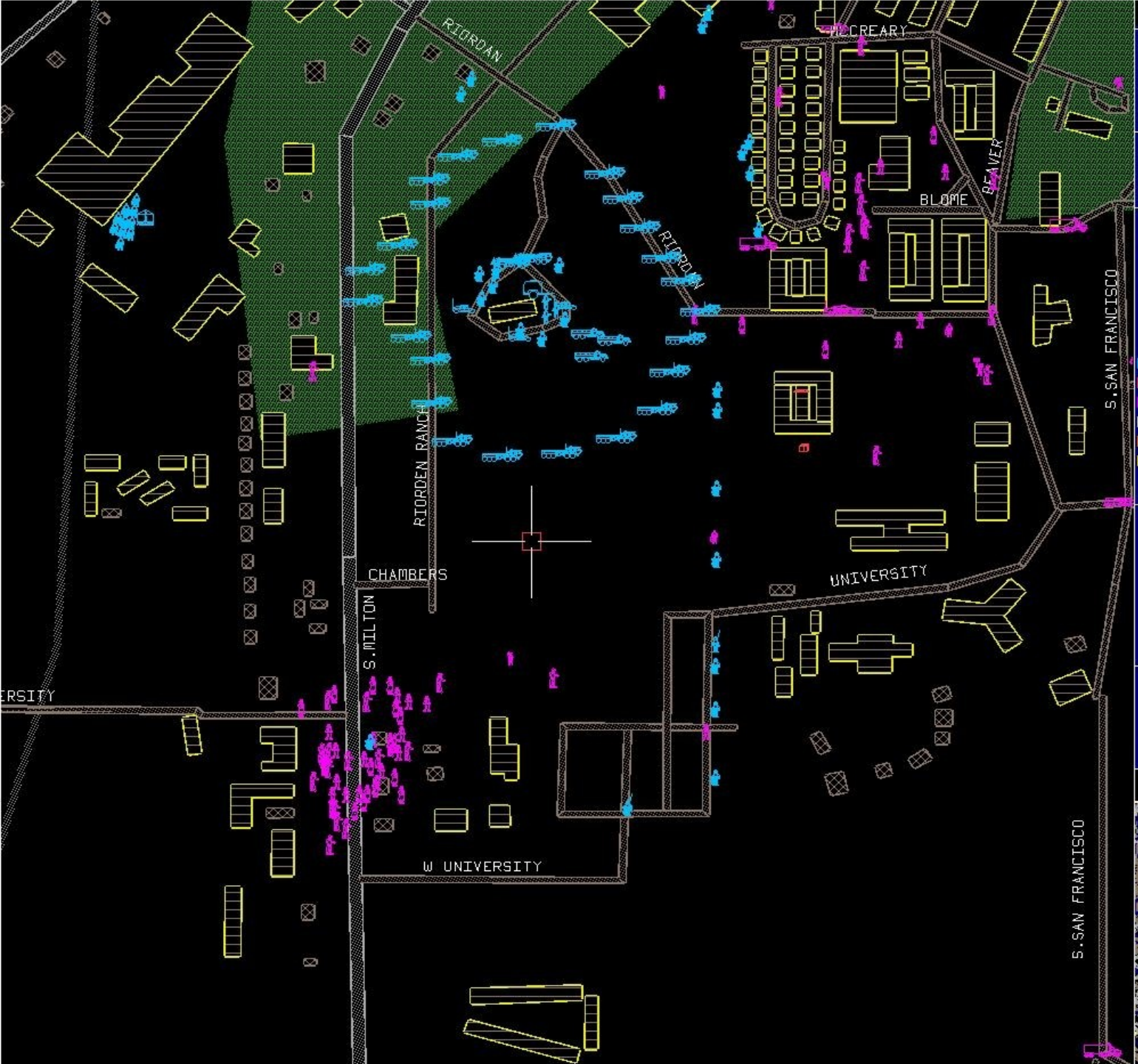
Zoom 0256 Prev Next M

Clear Grid Help Delete

CAC Coal End

Days	Hrs	Min	Sec
01	00	22	52





JANUS ANALYST WS

Time Selection: ALL

	Days	Hrs	Min
From	00	00	00
To	19	23	59

Force Selection: ALL

Side 1 2 3 4 5 6

Group 00 Unit 000000

FUNCTIONS: GO

Replay

Counted Losses

	DF	IF	MF	CH	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

Time Interval
00:50

Clouds Pause

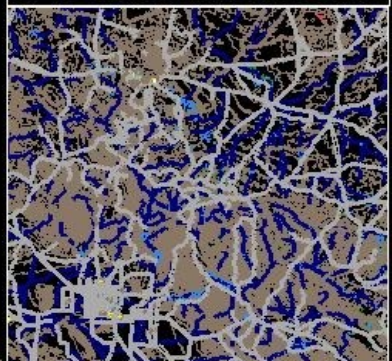
SLOW SPEED FAST

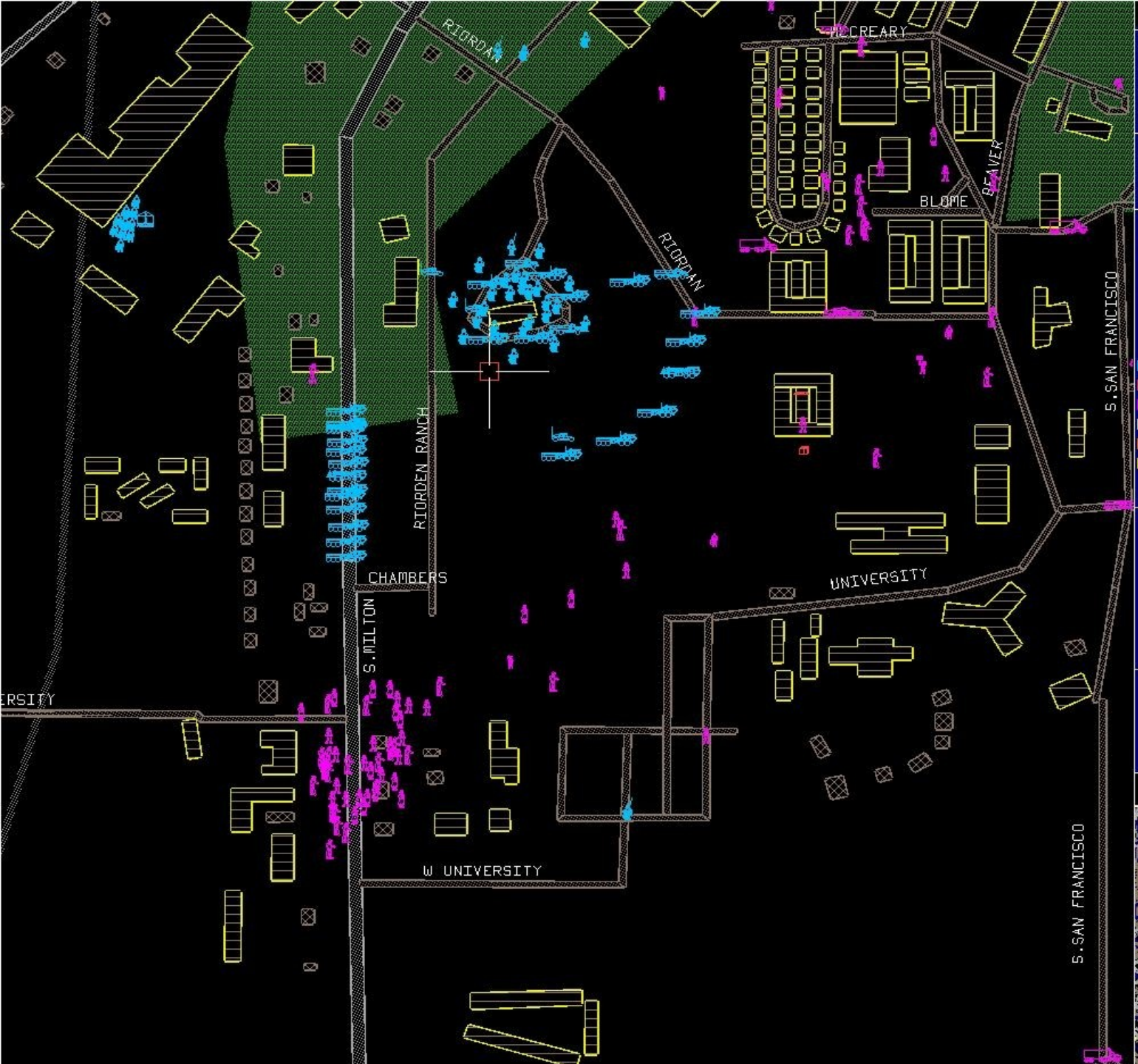
Zoom 0256 Prev Next M

Clear Grid Help Delete

CAC Coal End

Days	Hrs	Min	Sec
01	13	45	21





JANUS ANALYST WS

Time Selection: ALL

Days Hrs Min

From 00:00:00

To 19:23:59

Force Selection: ALL

Side 1 2 3 4 5 6

Group 00 Unit 000000

FUNCTIONS: GO

Replay

Counted Losses

	DF	IF	MF	CH	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

Time Interval

00:50

Clouds Pause

slow SPEED fast

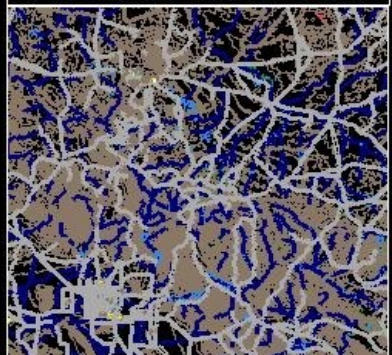
Zoom 0256 Prev Next M

Clear Grid Help Delete

CAC Coal End

Days Hrs Min Sec

01:14:17:01



STORY LINES

R.E.A.C.T.	Copper Dome	Terrorism	Civilian	Media
MSCA Parker Dam Davis Dam Hoover Dam	 Camp Navajo Williams Gate	Universal Adversary IEDs VIEDs 20 man cells	 Phoenix Flagstaff	 Local National

Monday, 15 Nov 2004	0830 L	Provide increased security at key infrastructure and airports
Monday, 14 Nov 2004	1200 L	OPFOR probe of security in/around Camp Navajo. Governor in residence at key facility.
Monday, 14 Nov 2004	1245 L	Universal Adversary attack with VIED on Camp Navajo gate. Local media crew captures explosion on video.

JANUS ANALYST #3

Time Selection: ALL

	Days	Hrs	Min
From	00	00	00
To	19	23	59

Force Selection: ALL

Side 1 2 3 4 5 6

Group 00 Unit 000000

FUNCTIONS: GO

Replay

Counted Losses

	DF	IF	MF	CH	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

Time Interval
00:20

Clouds Pause

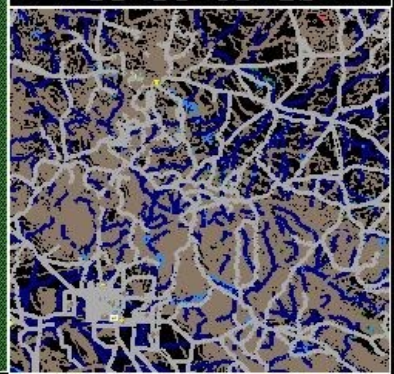
slow SPEED fast

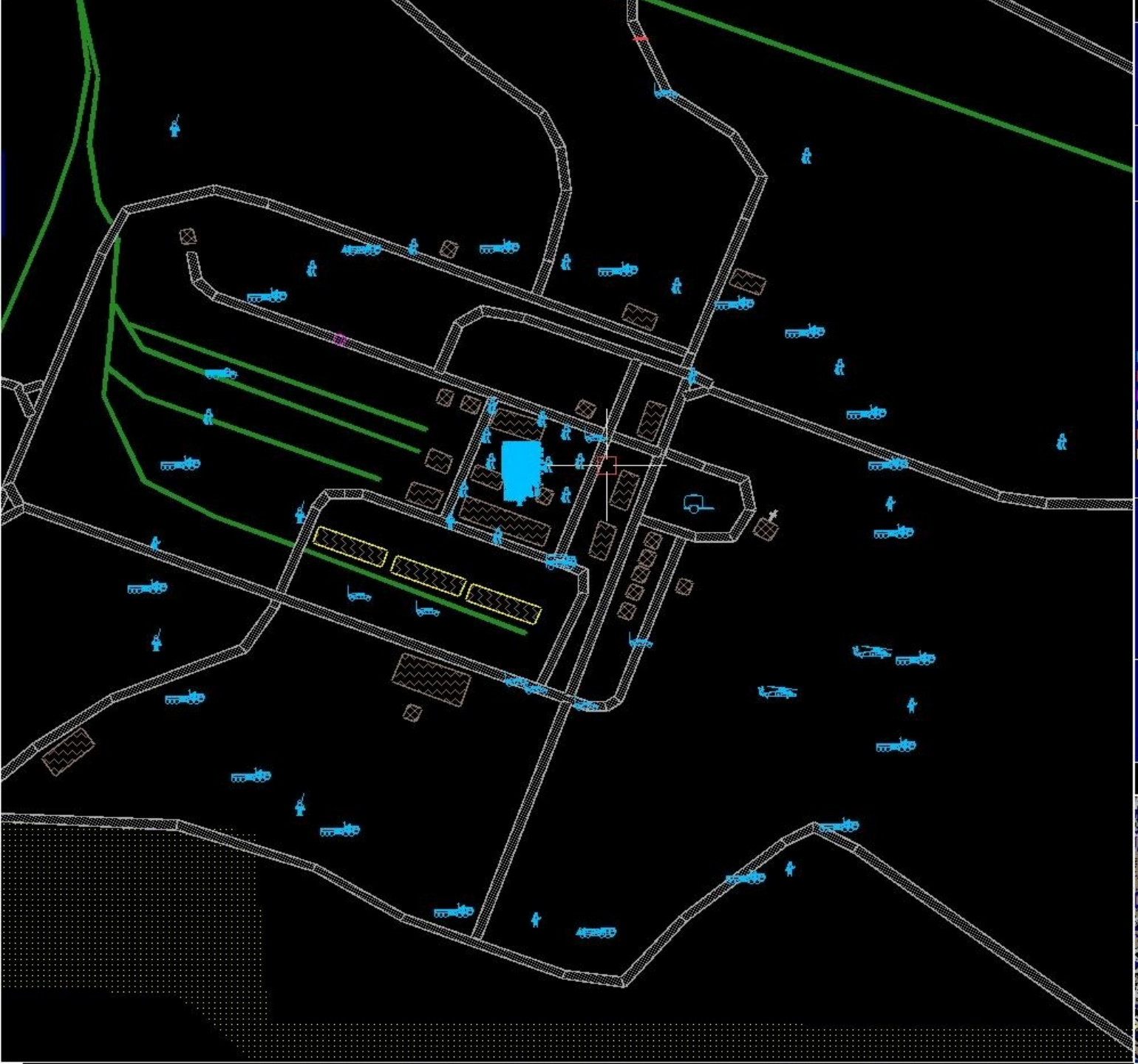
Zoom 0064 Prev Next M

Clear Grid Help Delete

CAC Coal End

Days	Hrs	Min	Sec
00	03	15	20





JANUS ANALYST WS

Time Selection: ALL

Days Hrs Min

From 00:00:00

To 19:23:59

Force Selection: ALL

Side 1 2 3 4 5 6

Group 00 Unit 000000

FUNCTIONS:

GO

Replay

Counted Losses

	DF	IF	MF	CH	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

Time Interval

00:20

Clouds

Pause

slow SPEED fast

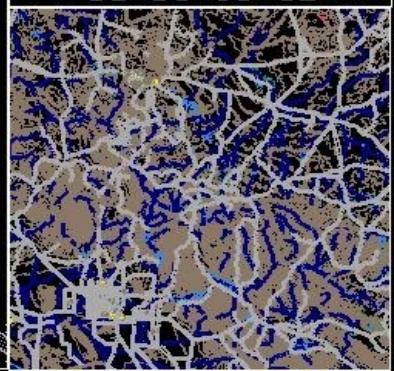
Zoom 0256 Prev Next M

Clear Grid Help Delete

CAC Coal End

Days Hrs Min Sec

02:01:13:32



DBSP MSCA TRAINING SUPPORT

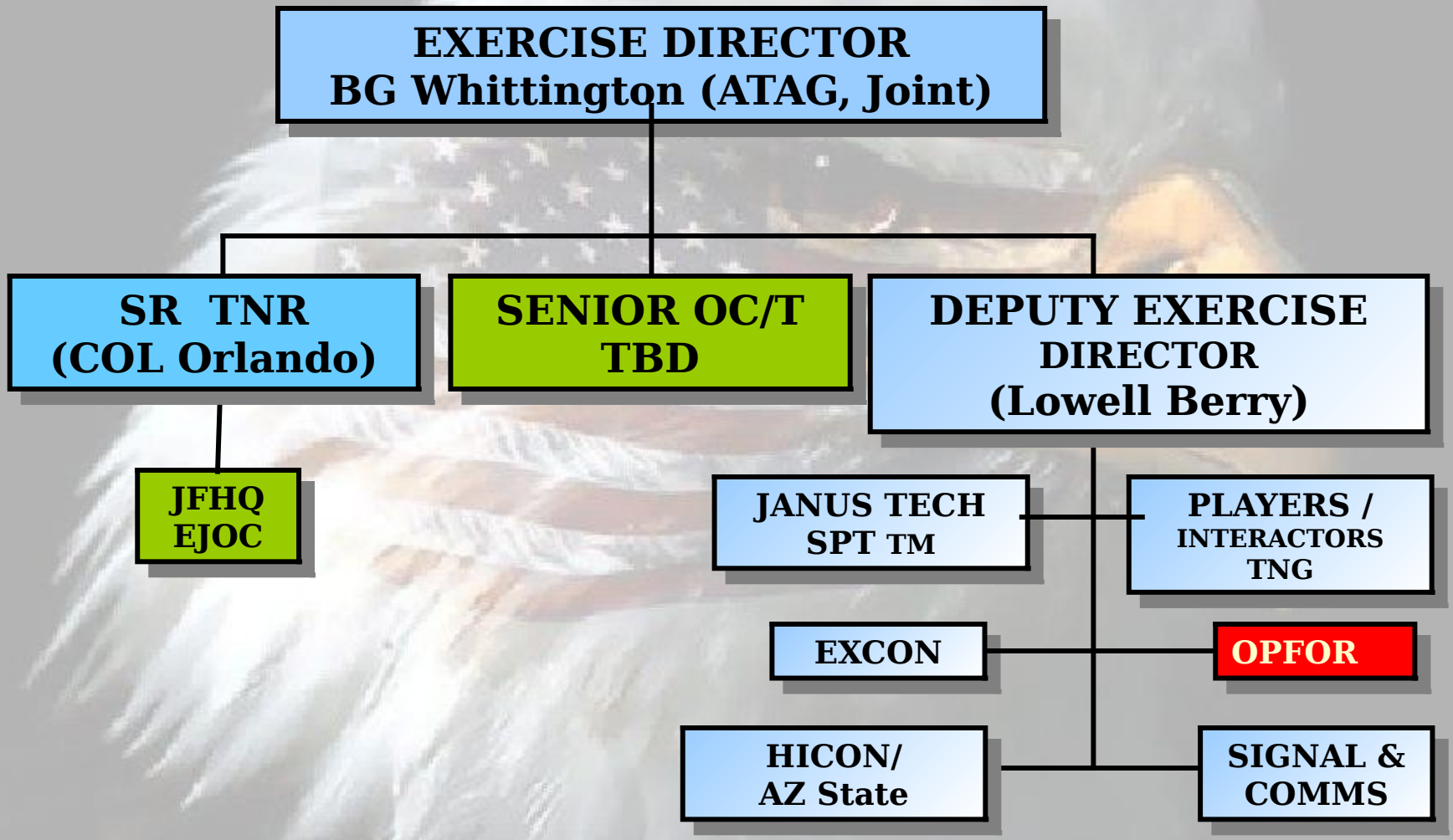
General

- **DBSP provides the following support :**
  - **Exercise Coordinator (Sr. COTA /COTA)**
  - **Tech Team Support for SIMEX**
  - **TADSS Facilitators**
  - **Training Area Assessment (SIMEX)**
  - **SIMEX Scenario Development**
  - **SIMEX Equipment and Training**
  - **After Action Review Capability**
- **All DBSP support is provided at No Cost to the Customer**

Copper Dome Support

- **Janus Simulation System (22 Janus Workstations)**
  - **24/7 Operations for minimum of 60 hours**
  - **Interactor Training for unit personnel (2 per workstation)**
- **Exercise/Simulation Support Personnel**
  - **COTA x 3 (Berry, Lawrence, Montgomery)**
  - **Janus Database Engineers x 2 (Durham, Tripp)**
  - **Janus System Administrators x 2 (Lopez, Suggs)**
- **Exercise HICON support**
  - **Exercise Coordinator**
  - **Simulation interface control**
  - **C2 SME BOS (COTA)**
  - **FA SME BOS (COTA)**

Exercise Command & Control



Copper Dome
JFH Training Objectives

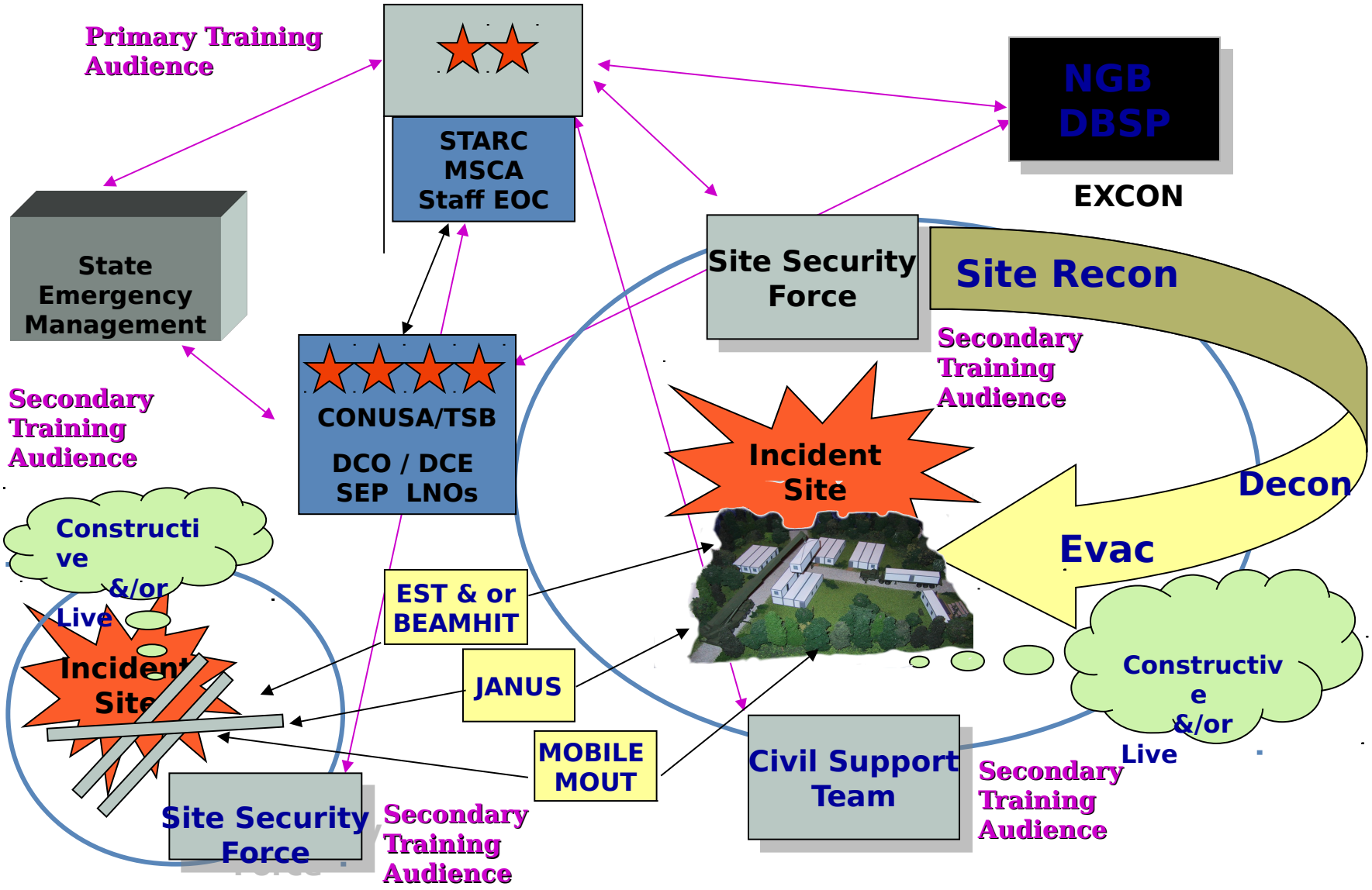
- **Execute Phase I, II, and III of Annex N, OPLAN 03-100 (Copper Dome)**
- **Secure Camp Navajo and sustain operations essential to government services (300-600 personnel)**
- **Perform follow on missions in support of civil authorities (MCSA)**
- **JFH staff simultaneously executes MSCA support (REACT), Copper Dome, Homeland Security Mission (environmental terrorism), and Civil Unrest (demonstration)**
- **Test Command and Control of ROE, refine procedures for ROE implementation**
- **Test Communications Link between Williams Gate EOC and J-EOC.**

Copper Dome Execution

- **The Joint staff will refine the OPERATION COPPER DOME COG/COOP contingency plan based on lessons learned**
- **Training based on Joint and Individual Directorate METL IAW JTF Hqs MTG CJCSM 3500.05A dated 1 June 2003**
- **Establish and operate the JTF for 60 continuous hours of exercise.**
- **Exercise Controller will initiate activity for the JTF through message play**
- **At CN, Exercise Controller will liaison with the JTF and State agencies and act as Federal agencies, as well as, higher and lower AZNG units**
- **EPLOs, ADEM, and other will coordinate through Exercise Controller.**

MSCA EXERCISE

"A Concept for Incident Response Training"



QUESTIONS

Key Benefits of the DBSP Program.....

- Provides an additional asset to focus resources on units preparing for Mobilization.
- Provide full spectrum support (L-V-C) for MSCA and Homeland Defense mission.
- Conduit to assist unit commanders in developing and executing battle staff training in Live, Virtual and Constructive multi-echelon unit environment.
- Conduit to other DBSP assets, TADSS, training support activities, actions, and efforts
- Provides unit with Mission Rehearsal Exercise experience to prepare commander and staff for subsequent success.
- Provide commanders with an additional Live, Virtual and Constructive training resources.
- Enhances Battle Staff Training synergy through integration TS XXI and DBSP
- Funded by agreement with Army National Guard Bureau.

DISTRIBUTED BATTLE SIMULATION PROGRAM

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